

A NEW COMBINATION IN
TOFIELDIA GLUTINOSA (LILIACEAE)

JAMES L. REVEAL

While reviewing the genus *Tofieldia* for the Intermountain Region of the western United States, I consulted the numerous specimens of the *T. glutinosa* complex deposited at the United States National Herbarium. Although none of the varieties of this complex is known to occur in the Intermountain Region, I did encounter a nomenclatural problem which ought to be resolved.

When Hitchcock (1944) reviewed *Tofieldia glutinosa* for western North America, he reduced *T. intermedia* to synonymy under his "ssp. *typica*," or what would now be called var. or ssp. *glutinosa*. In doing so, Hitchcock stated (page 494): "Rydberg cited, as the type of *T. intermedia*, a specimen from Sheh-Shock [sic] Lake, Alaska, collected in 1895, *M. W. Gorman* 78 (Type at the New York Botanical Garden). This specimen is in flower rather than fruit and it therefore cannot be ascertained whether or not the seeds would have a tight or loose testa — the only diagnostic character that will serve to distinguish ssp. *typica* from ssp. *brevistyla* in all cases. Nearly all collections from northern British Columbia have the testa characteristic of [*T.*] *glutinosa* [ssp.] *typica*, so it seems reasonable to assume that Rydberg's type may belong with that entity."

What seemed reasonable to assume with the limited material then available to Hitchcock now does not seem so, as all Alaskan specimens reviewed so far belong to Hitchcock's ssp. *brevistyla*. Likewise, fruiting specimens from near the type area of *Tofieldia intermedia* all exhibit the loose testa typical of ssp. *brevistyla*. Other specimens which range far to the north in Alaska (then unavailable to Hitchcock, due mainly to the Second World War) all belong to the latter taxon, a point apparently accepted by Hultén (1968) in his latest revision of the Alaskan flora.

As I prefer to recognize these entities at the varietal level (following Hitchcock, 1969), the following new combination is necessary:

***Tofieldia glutinosa* (Michx.) Pers. var. *intermedia* (Rydb.) Reveal, comb. nov., based on *T. intermedia* Rydb., Bull. Torrey Bot. Club 27: 528. 1900. (*Gorman* 78, Sheh-shooh Lakes, Alaska, in 1895, holotype at NY, isotype at US!).**

Triantha intermedia (Rydb.) Gates, J. Linn. Soc., Bot. 44: 137. 1918.

Tofieldia occidentalis S. Wats. var. *intermedia* (Rydb.) Peck, Manual High. Pl. Oregon 189. 1941 and Madroño 6: 133. 1941.

Tofieldia glutinosa (Michx.) Pers. ssp. *brevistyla* C. L. Hitchc., Amer. Midl. Naturalist 31: 495. 1944. (*Hitchcock & Martin* 1731, Blackwater Lake, about 32 miles north of Golden, British Columbia, Canada, 11 July 1941, holotype at WTU, isotype at NY!).

T. glutinosa var. *brevistyla* (C. L. Hitchc.) C. L. Hitchc., Univ. Wash. Publ. Biol. 17(1): 806. 1969.

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DEPARTMENT OF BOTANY
UNIVERSITY OF MARYLAND
COLLEGE PARK 20742
and
UNITED STATES NATIONAL HERBARIUM
SMITHSONIAN INSTITUTION
WASHINGTON, D.C. 20560